Attorney Docket No..:020611

COMBINED DECLARATION / POWER OF ATTORNEY

□ Original	☐ Supplemental	Continuation-la	n-Part	☐ Divisional	
☑ Original ☐ Continuation	зарриненан	National Stage		Divisional	
My residence, post office address a name is listed below) or an origina patent is sought on the invention PI of which:	l, first and joint inventor (if plu	ral names are listed below) of	the subject matter	which is claimed	and for which a
	plicable).				
was described and claimed in	PCT International Application	No. filed on and	l as amended under	r PCT Article 19	on .
with Title 37, Code of Federal Regular I hereby claim foreign priority bene or of any PCT International application identified below any foreign application.	efits under Title 35, United Sta	one country other than the Un	nited States of Am	nerica listed belo	w and have also
other than the United States of Ame					of which priority
other than the United States of Ame is claimed. (Country)			ate before that of t	he application(s)	of which priority
other than the United States of Ame is claimed. (Country)	(Application No.)	(Day/Month/Year/F	ate before that of t	he application(s) Priority C	of which priority
other than the United States of Ame is claimed. (Country) I hereby claim the benefit under Tit	(Application No.)	(Day/Month/Year/F	ate before that of t	he application(s) Priority C	of which priority
(Country) I hereby claim the benefit under Tit	(Application No.)	(Day/Month/Year/F I States provisional application March 12, 2003	ate before that of t	he application(s) Priority C (Yes)	of which priority
other than the United States of Ame is claimed. (Country) I hereby claim the benefit under Tit	(Application No.)	(Day/Month/Year/F	ate before that of t	he application(s) Priority C (Yes)	of which priority
(Country) I hereby claim the benefit under Tit	(Application No.) le 35 USC 119(e) of any United the 35 USC 120 of the United closed in the prior United State material information as define	(Day/Month/Year/F d States provisional application March 12, 2003 (Filing Date) States application(s) listed be application in the manner prod in Title 37 CFR 1.56(a) where the state of the state o	ate before that of the lead of	Priority C (Yes) s the subject matt paragraph of Titl	er of each of the

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith: Russell B. Miller, Reg. No. 31,122, Gregory D. Ogrod, Reg. No. 30,880, Bruce W. Greenhaus, Reg. No. 37,339, Charles D. Brown, Reg. No. 28,285, Thomas R. Rouse, Reg. No. 40,793, Kent D. Baker, Reg. No. 38,822, Thomas M. Thibault, Reg. No. 42,181, Christopher O. Edwards, Reg. No. 36,127, Pavel Kalousek, Reg. No. 44,178, Kyong H. Macek, Reg. No. 42,977, Byron Yafuso, Reg. No. 45,244, Sean English, Reg. No. 37,319, Roger W. Martin, Reg. No. 39,291, Sandip S. Minhas, Reg. No. 44,945, Michael D. Hartogs, Reg. No. 36,547, Philip R. Wadsworth, Reg. No. 29,219, S. Hossain Beladi, Reg. No. 42,311, Albert J. Harnois, Reg. No. 46,123, Sandra L. Godsey, Reg. No. 42,589, George C. Pappas, Reg. No. 35,065, Abdollah Katbab, Reg. No. 45,325, Robert J. O'Connell, Reg. No. 44,265, William Marcus Hooks, Reg. No. 48,857, Howard Seo, Reg. No. 43,106, Jae-Hee Choi, Reg. No. 45,288, Donald C. Kordich, Reg. No. 38,213, Kevin T. Cheatham, Reg. No. 48,766, Nick J. Pauley, Reg. No. 44,999, Thien T. Nguyen, Reg. No. 43,835, Michael D. Graham, Reg. No. 51,751, George J. Oehling, Reg. No. 40,471, Lee Hsu, Reg. No. 39,716, Dean Tricarico, Reg. No. 53,703 and Rupit Patel, Reg. No. 53,441. Please direct all telephone calls to Philip R. Wadsworth at (858) 651-4404 and address all correspondence to: QUALCOMM Incorporated, Patent Department, 5775 Morehouse Drive, San Diego, California 92121-1714 (PTO Customer No. 23696).

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First or Joint Inventor Farrokh Abrishamkar	Inventor Stg	hature	a	Date (26 2	1000	1
Residence 5218 Sandhill Terrace, San Diego, CA 921	30			Citizenship United S	tates of A	America
Post Office Address 5218 Sandhill Terrace, San Diego, CA 921	30					

Full Name of Second or Joint Inventor	Inventor Signature	Date
Kartik B. Ariyur		
Residence		Citizenship
10551 Greenbriar Road, Apt. 309, Minnetonkia, MN 55305		India
Post Office Address		
10551 Greenbriar Road, Apt. 309, M	innetonkia, MN 55305	

Full Name of Third or Joint Inventor	Inventor Signature	Date
Kenneth Kreutz-Delgado		
Residence		Citizenship
4239 Pilon Point, San Diego, CA 92130		United States of America
Post Office Address		
4239 Pilon Point, San Diego, CA 921	130	

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Full Name of First or Joint Inventor Farrokh Abrishamkar	Inventor Signature	Date
Residence 5218 Sandhill Terrace, San Diego, CA 92130		Citizenship United States of America
Post Office Address 5218 Sandhill Terrace, San Diego, (CA 92130	

Full Name of Second or Joint Inventor Kartik B. Ariyur	Inventor Signature A-B-	Date 02/03/2004
Residence		Citizenship
10551 Greenbrier Road, Apt. 309, Minnetonka, MN 55305		India
Post Office Address		
10551 Greenbrier Road, Apt. 309, M	finnetonka, MN 55305	

Full Name of Third or Joint Inventor	Inventor Signature	Date
Kenneth Kreutz-Delgado		
Residence		Citizenship
4239 Pilon Point, San Diego, CA 92130		United States of America
Post Office Address		
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Residence 5218 Sandhill Terrace, San Diego, CA 92130		Citizenship United States of America
Post Office Address 5218 Sandhill Terrace, San Diego, C	CA 92130	

Full Name of Second or Joint Inventor Kartik B. Ariyur	Inventor Signature	Date
Residence 9250-F Regents Road, La Jolla, CA 92307		Citizenship United States of America
Post Office Address 9250-F Regents Road, La Jolla, CA	92307	

Full Name of Third or Joint Inventor

Kenneth Kreutz-Delgado

Residence

4239 Pilon Point, San Diego, CA 92130

Post Office Address

4239 Pilon Point, San Diego, CA 92130

Citizenship

United States of America

ASSIGNMENT



TO WHOM IT MAY CONCERN:

For the sum of One Dollar and other valuable consideration to us in hand paid, receipt of which is hereby acknowledged, be it known that we Farrokh Abrishamkar, a citizen of the United States of America having a place of residence at 5218 Sandhill Terrace, San Diego, CA 92130, Kartik B. Ariyur, a citizen of the United States of America having a place of residence at 9250-F Regents Road, La Jolla, CA 92307, and Kenneth Kreutz-Delgado, a citizen of the United States of America having a place of residence at 4239 Pilon Point, San Diego, CA 92130, have sold, assigned and transferred and by these presents do sell, assign, transfer and set over unto QUALCOMM Incorporated, a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California successors, legal representatives, or assigns, the whole right, title and interest in and to a certain invention relating to: PILOT ESTIMATION USING PREDICTION ERROR METHOD-SWITCHED FILTERS by us devised and the application for United States Patent therefor filed in the United States Patent and Trademark Office on August 18, 2003, and assigned Serial No. 10/643,639, including, without limitation, all provisional patent applications, including Serial No. 60/454,378, filed March 12, 2003, and all original and reissue patents granted thereof, and all divisions, and continuations thereof, including the subject matter of any and all claims which may be obtained in every such patent, and all foreign rights to said invention, and covenant that we have full right to do so, and agree that we will communicate to said corporation or its representatives all facts known to us respecting said invention, whenever requested, and testify in any legal proceedings, sign all lawful papers, make all rightful oaths and generally do everything possible to aid said corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this	day of, 2004.
	Farrokh Abrishamkar
Done at San Diego, California this 9	day of, 2004.
	Kartik B. Ariyur
Done at San Diego, California this	day of, 2004.
•	Kenneth Kreutz-Delgado

The Commissioner of Patents and Trademarks is requested to issue the Letters Patent which may be granted for said invention or any part thereof unto said corporation in keeping with this Assignment.

Done at San Diego, California this	day of, 2004.
	Farrokh Abrishamkar
Done at Minnetonka, Minnesota this	3nd day of February, 2004.
	A.B Kantik
	Kartik B. Ariyur
Done at San Diego, California this	day of 2004
Done at San Diego, Camornia uns	day or, 2004.
	Kenneth Kreutz-Delgado
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